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Hibbard

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(54) **LOOP FLUSHING VALVE**

(56) **References Cited**

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(21) Appl. No.: **14/713,445**

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ABSTRACT

A loop flushing valve assembly for use in a hydraulic circuit has a pair of valve subassemblies cooperating with a respective valve seat between a port and an outlet passage. Each subassembly has a main port plug and a fluid passage plug with a fluid passage extending therethrough. A valve body is engaged to the fluid passage plug and is axially moveable from a closed position where its seat end is in contact with its respective valve seat to prevent fluid flow from the respective fluid side to the outlet passage to an open position and the valve body is biased to the closed position. A poppet extends out the seat end of the each valve body. When pressure in one fluid side exceeds pressure in the other side, the valve subassembly poppet axially moves towards the other poppet to open the other side.

(52) **U.S. Cl.**

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See application file for complete search history.

17 Claims, 7 Drawing Sheets

